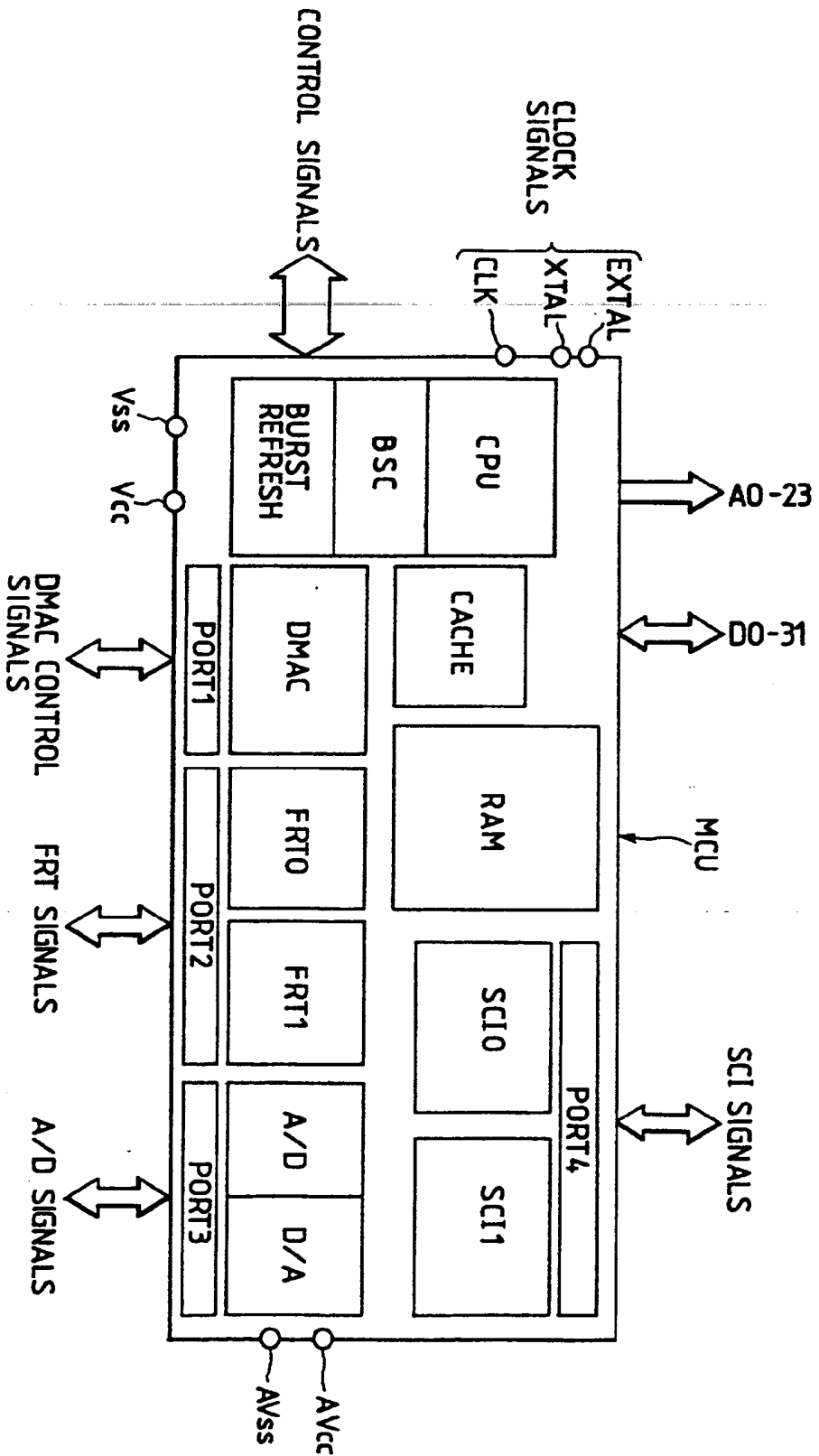


|   | L # | Hits | Search Text                                | DBs                |
|---|-----|------|--|--------------------|
| 1 | L3  | 200  | shuffle.ab,ti.                             | USPAT;<br>US-PGPUB |
| 2 | L4  | 35   | ((data instruction) near10 shuffle).ab,ti. | USPAT;<br>US-PGPUB |
| 3 | L5  | 12   | 3 and mask                                 | USPAT;<br>US-PGPUB |

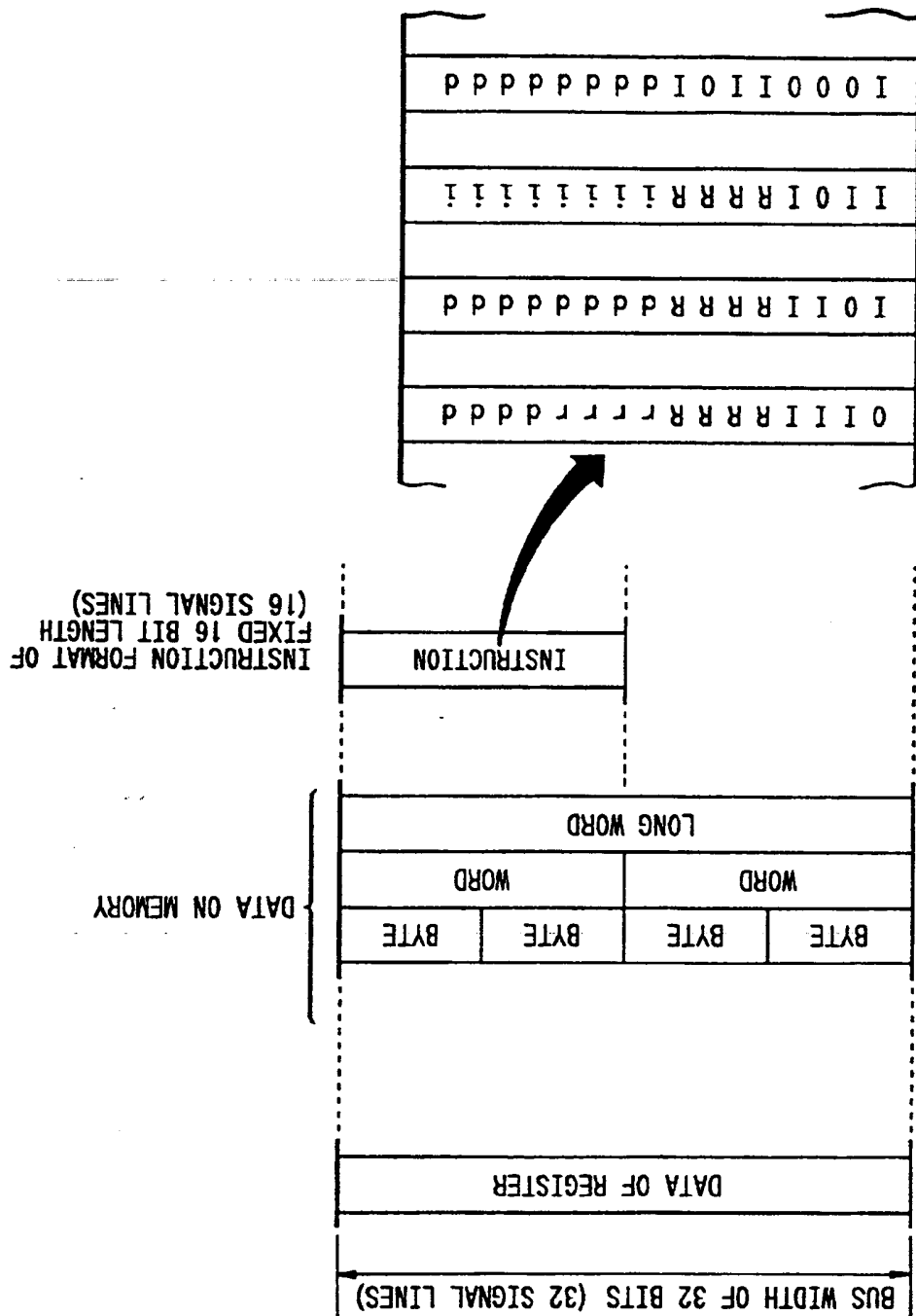
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FIG. 3



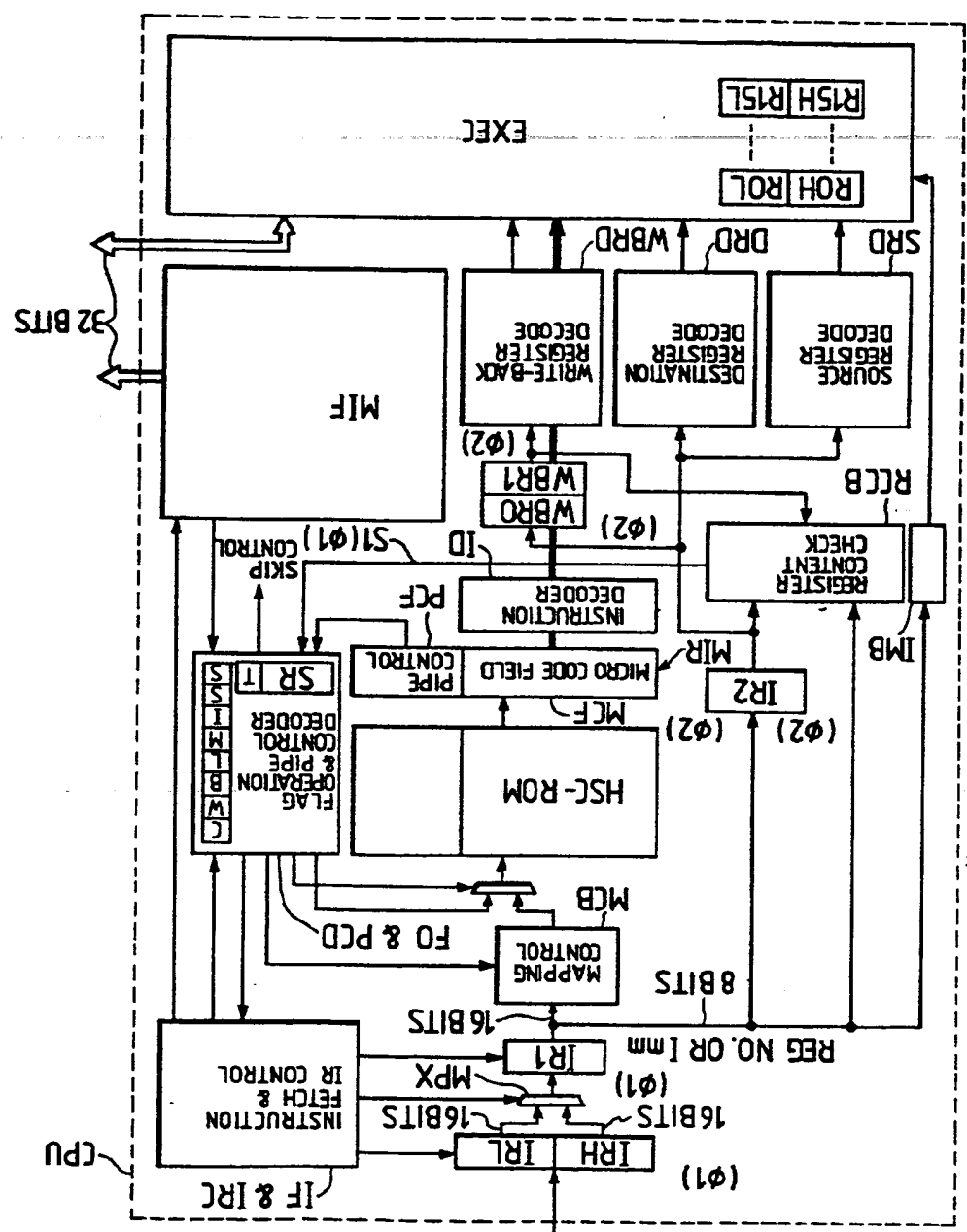
|    | Docum<br>ent<br>ID           | U                        | Title  | Current<br>OR |
|----|------------------------------|--------------------------|--|---------------|
| 1  | US<br>20040<br>05487<br>9 A1 | <input type="checkbox"/> | Method and apparatus for parallel table lookup using SIMD instructions   | 712/221       |
| 2  | US<br>20030<br>21272<br>7 A1 | <input type="checkbox"/> | Apparatus and method for SIMD modular multiplication   | 708/620       |
| 3  | US<br>20030<br>13743<br>9 A1 | <input type="checkbox"/> | Shuffler apparatus and related dynamic element matching technique for linearization of unit-element digital-to-analog converters | 341/143       |
| 4  | US<br>20030<br>09554<br>7 A1 | <input type="checkbox"/> | 2n-1 Shuffling network   | 370/386       |
| 5  | US<br>20030<br>08408<br>2 A1 | <input type="checkbox"/> | Apparatus and method for efficient filtering and convolution of content data   | 708/420       |
| 6  | US<br>20030<br>06540<br>6 A1 | <input type="checkbox"/> | Control method to make IC's operation mode to be provided with uncertainty   | 700/11        |
| 7  | US<br>20030<br>04655<br>9 A1 | <input type="checkbox"/> | Apparatus and method for a data storage device with a plurality of randomly located data   | 713/189       |
| 8  | US<br>20020<br>19423<br>5 A1 | <input type="checkbox"/> | Processing apparatus   | 708/403       |
| 9  | US<br>20020<br>11214<br>7 A1 | <input type="checkbox"/> | Shuffle instructions   | 712/223       |
| 10 | US<br>20020<br>00745<br>7 A1 | <input type="checkbox"/> | Verifiable, secret shuffles of encrypted data, such as elgamal encrypted data for secure multi-authority elections               | 713/180       |
| 11 | US<br>67316<br>36 B1         | <input type="checkbox"/> | Scheduler using small sized shuffle pattern in ATM network   | 370/395<br>.1 |
| 12 | US<br>64773<br>13 B1         | <input type="checkbox"/> | Disc control method and disc control unit  | 386/52        |
| 13 | US<br>63775<br>66 B1         | <input type="checkbox"/> | OFDM subcarrier hopping in a multi service OFDM system   | 370/343       |
| 14 | US<br>62601<br>70 B1         | <input type="checkbox"/> | Method for controlling memory and digital recording/reproducing device using the same  | 714/769       |
| 15 | US<br>61782<br>89 B1         | <input type="checkbox"/> | Video data shuffling method and apparatus  | 386/112       |
| 16 | US<br>61733<br>30 B1         | <input type="checkbox"/> | Delivery and acquisition of data segments with optimized inter-arrival time  | 709/232       |
| 17 | US<br>61449<br>86 A          | <input type="checkbox"/> | System for sorting in a multiprocessor environment   | 709/201       |
| 18 | US<br>61084<br>87 A          | <input type="checkbox"/> | Shuffle encoded video data recording and reproduction  | 386/124       |
| 19 | US<br>60414<br>04 A          | <input type="checkbox"/> | Dual function system and method for shuffling packed data elements   | 712/210       |

FIG. 4



|    | Docum<br>ent<br>ID  | U                                   | Title  | Current<br>OR  |
|----|---------------------|-------------------------------------|--|----------------|
| 20 | US<br>60379<br>89 A | <input type="checkbox"/>            | Still image transmitting device  | 348/441        |
| 21 | US<br>59303<br>65 A | <input type="checkbox"/>            | Digital data shuffling/de-shuffling system   | 380/28         |
| 22 | US<br>59056<br>60 A | <input type="checkbox"/>            | Discrete cosine transform circuit for processing an 8.times.8 block and two 4.times.8 blocks   | 708/402        |
| 23 | US<br>58420<br>34 A | <input type="checkbox"/>            | Two dimensional crossbar mesh for multi-processor interconnect   | 712/11         |
| 24 | US<br>58417<br>81 A | <input type="checkbox"/>            | Data shuffling method and apparatus for same   | 714/701        |
| 25 | US<br>57346<br>49 A | <input type="checkbox"/>            | Data packet router   | 370/355        |
| 26 | US<br>56129<br>64 A | <input type="checkbox"/>            | High performance, fault tolerant orthogonal shuffle memory and method  | 714/763        |
| 27 | US<br>55352<br>75 A | <input type="checkbox"/>            | Apparatus and method for producing scrambled digital video signals   | 380/203        |
| 28 | US<br>54524<br>66 A | <input type="checkbox"/>            | Method and apparatus for preforming DCT and IDCT transforms on data signals with a preprocessor, a post-processor, and a controllable shuffle-exchange unit connected between the pre-processor and post-processor | 712/36         |
| 29 | US<br>54407<br>06 A | <input type="checkbox"/>            | Data shuffling apparatus possessing reduced memory   | 711/202        |
| 30 | US<br>51970<br>62 A | <input type="checkbox"/>            | Method and system for simultaneous analysis of multiplexed channels  | 370/508        |
| 31 | US<br>49724<br>95 A | <input type="checkbox"/>            | Feature extraction processor   | 382/304        |
| 32 | US<br>46010<br>06 A | <input type="checkbox"/>            | Architecture for two dimensional fast fourier transform  | 708/401        |
| 33 | US<br>43853<br>63 A | <input type="checkbox"/>            | Discrete cosine transformer  | 708/402        |
| 34 | US<br>41610<br>36 A | <input type="checkbox"/>            | Method and apparatus for random and sequential accessing in dynamic memories   | 711/159        |
| 35 | US<br>38101<br>12 A | <input checked="" type="checkbox"/> | SHIFT-SHUFFLE MEMORY SYSTEM WITH RAPID SEQUENTIAL ACCESS   | 365/230<br>.09 |

FIG. 5



|    | Docum<br>ent<br>ID           | U                        | Title  | Current<br>OR |
|----|------------------------------|--------------------------|--|---------------|
| 1  | US<br>20040<br>05487<br>9 A1 | <input type="checkbox"/> | Method and apparatus for parallel table lookup using SIMD instructions                   | 712/221       |
| 2  | US<br>20030<br>21272<br>7 A1 | <input type="checkbox"/> | Apparatus and method for SIMD modular multiplication                                     | 708/620       |
| 3  | US<br>20030<br>12822<br>2 A1 | <input type="checkbox"/> | Multisample dithering with shuffle tables  | 345/611       |
| 4  | US<br>20030<br>08408<br>2 A1 | <input type="checkbox"/> | Apparatus and method for efficient filtering and convolution of content data             | 708/420       |
| 5  | US<br>20030<br>04655<br>9 A1 | <input type="checkbox"/> | Apparatus and method for a data storage device with a plurality of randomly located data | 713/189       |
| 6  | US<br>20030<br>03781<br>2 A1 | <input type="checkbox"/> | Decontamination and contaminant processing system and method                             | 135/96        |
| 7  | US<br>20020<br>11214<br>7 A1 | <input type="checkbox"/> | Shuffle instructions   | 712/223       |
| 8  | US<br>64113<br>02 B1         | <input type="checkbox"/> | Method and apparatus for addressing multiple frame buffers                               | 345/545       |
| 9  | US<br>61449<br>86 A          | <input type="checkbox"/> | System for sorting in a multiprocessor environment                                       | 709/201       |
| 10 | US<br>60414<br>04 A          | <input type="checkbox"/> | Dual function system and method for shuffling packed data elements                       | 712/210       |
| 11 | US<br>58926<br>20 A          | <input type="checkbox"/> | Optical shuffle device   | 359/566       |
| 12 | US<br>49724<br>95 A          | <input type="checkbox"/> | Feature extraction processor   | 382/304       |

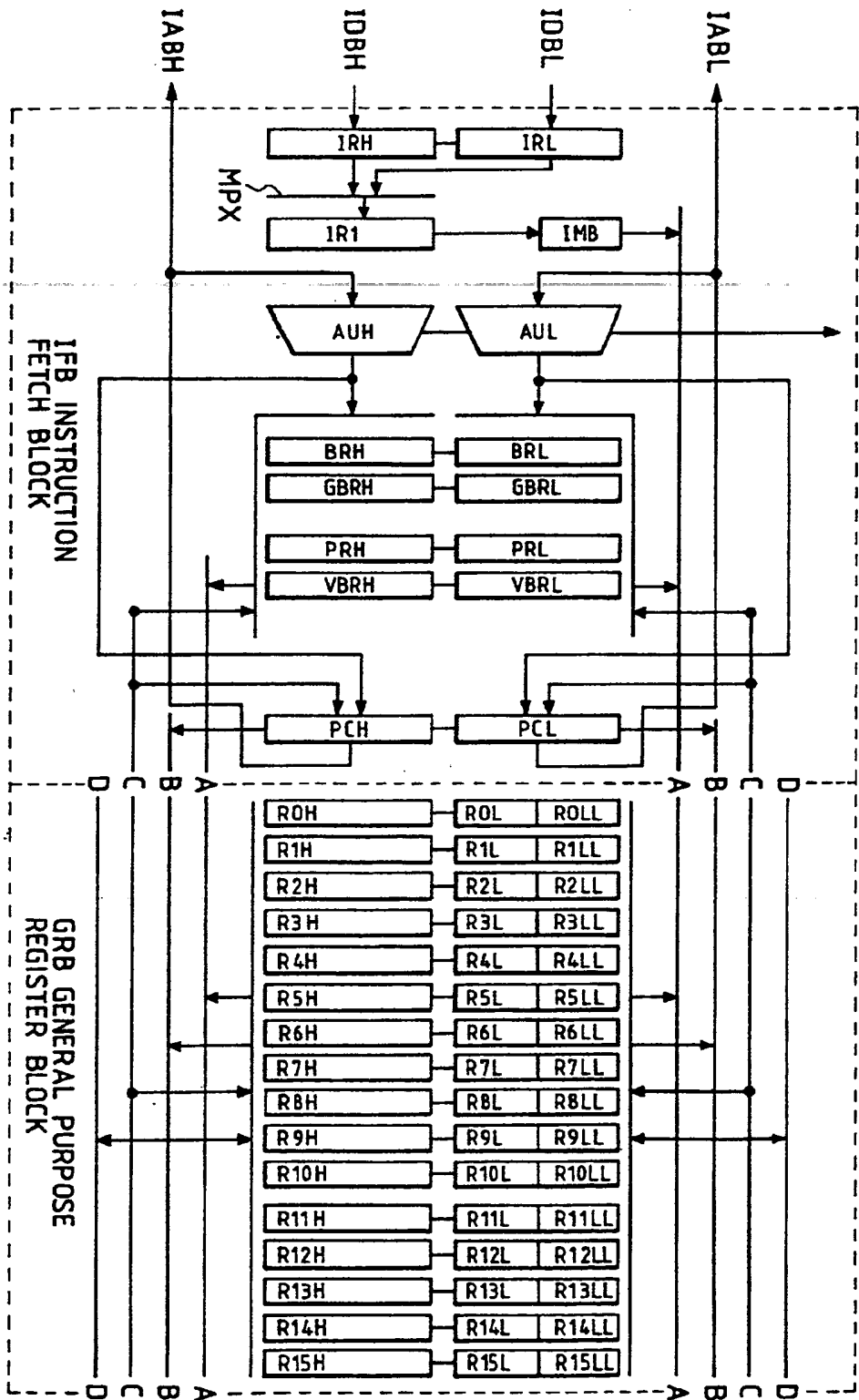


FIG. 6



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